

Rugged and Basic 2M with Powerful Audio!



Icom radios are built tough, and the IC-V80/E – Icom's most economical 2M – is no exception. This military rugged rig offers water resistance and superior protection against dust and dirt (IP54). Compact, rugged and with plenty of power, the IC-V80/E is ideal for basic, on-the-go ham operations.

750mW loud audio

The IC-V80/E uses the BTL (bridge-tied load) amplifier that doubles the audio output. The 36mm large speaker delivers 750mW of loud and intelligible audio*. Great for noisy environments.

* Typical value using with internal speaker.

Powerful 5.5W of output power

The IC-V80/E offers a just-right mix of power and size. 5.5 watts of high power will work to get your message through. Get up to 19 hours* of operating time with the Li-ion battery pack (BP-265) or 13 hours with the Ni-MH (BP-264). All that power comes in an easy to hold and use size – not too big, not too small.

* Typical operation. 5:5:90 duty cycle with power save on.

IP54 and MIL-STD-810 rugged construction

The dust protection and water-resistance equivalent to IP54 provides reliable operation for practical outdoor operation. The IC-V80/E tested to and passed 11 categories of MIL-STD-810 environmental tests.

A total of 207 memory channels

The IC-V80/E has a total of 207 memory channels, including 200 regular channels, 6 scan edges and 1 call channel. The channel name is programmable with 5 characters for easy recognition.

Built-in CTCSS/DTCS

The CTCSS and DTCS tone codes provide quiet stand-by and allow you to use tone-access repeaters. The pocket beep alerts you when a matching tone frequency is received. The tone scan detects the subaudible tone that is used for repeater access.

Internal VOX function

The IC-V80/E has internal VOX (Voice Operated Transmit) function for convenient hands-free operation with a compatible optional headset and plug adapter cable. Also, the VOX gain and VOX delay time are adjustable.

Other features

- WX channel and weather alert function (USA version only)
- Program, memory, skip, priority and tone scans
- Power save function
- BNC type antenna connector
- Automatic repeater function (USA version only)
- 1750Hz tone for European repeater access (IC-V80E only)
- TOT (time out timer) setting
- Repeater lockout and busy channel lockout
- PC programmable with optional CS-V80
- Transceiver-to-transceiver cloning (Optional)
- Direct keypad frequency entry
- DTMF autodial memories
- Auto power off
- LCD backlight
- Wide/narrow channel spacing



Transit Drop Test
(Photo shows Image)



SPECIFICATIONS**GENERAL**

Frequency coverage IC-V80 (USA, Australia) IC-V80E (Europe, UK)	TX: 144–148MHz, RX: 136–174MHz* TX/RX: 144–146MHz * Guaranteed range 144–148MHz
Type of emissions	F2D, F3E (FM)
Number of channels	207 channels (include 6 scan edges and 1 call)
Antenna impedance	50Ω (BNC)
Power supply requirement	7.2V DC
Operating temperature range	-20°C to +60°C; -4°F to +140°F (Radio only)
Frequency stability	±2.5ppm (-20°C to +60°C) at 25°C
Current drain (approx.) Tx High (5.5W) Rx Max. audio Internal SP External SP Stand-by/Power save	1.4A typ. 310mA typ. (16Ω load) 180mA typ. (8Ω load) 65mA/20mA typ.
Dimensions (WxHxD) (Projections not included)	58 × 112 × 30 mm; 2.28 × 4.41 × 1.18 in
Weight (approx.)	140g; 4.9oz (without battery pack) 360g; 12.7oz (with BP-264 and FA-B2E)

TRANSMITTER

Output power (at 7.2V)	5.5/2.5/0.5W (High/mid/low)
Max. frequency deviation	±5.0kHz/±2.5kHz (Wide/narrow)
Spurious emissions	Less than -60dB
Ext. microphone connector	3-conductor 2.5(d)mm (1/10")/2.2kΩ
RECEIVER	
Sensitivity	0.14µV typ. (at 12dB SINAD)
Squelch sensitivity	0.1µV typ. (threshold)
Selectivity	70dB/50dB typ. (Wide/narrow)
Intermodulation	70dB/65dB typ. (Wide/narrow)
Spurious and image rejection	75dB typ.
Audio output power Internal SP External SP	750mW typ. (16Ω load) 450mW typ. (8Ω load)
External speaker connector	3-conductor 3.5(d) mm (1/8")/8Ω

All stated specifications are subject to change without notice or obligation.

Applicable U.S. Military Specifications & IP Rating

Standard	MIL 810F	
	Method	Procedure
Low Pressure	500.4	I, II
High Temperature	501.4	I, II
Low Temperature	502.4	I, II
Temperature Shock	503.4	I
Solar Radiation	505.4	I
Rain Blowing/Drip	506.4	I, III
Humidity	507.4	—
Salt Fog	509.4	—
Dust Blowing	510.4	I
Vibration	514.5	I
Shock	516.5	I, IV

Also meets equivalent MIL-STD-810-C, -D and -E.

Ingress Protection Standard

Dust & Water	IP54 (Dust-protection and water resistant)
--------------	--

Icom, Icom Inc. and the Icom logo are registered trademarks of Icom Incorporated (Japan) in the United States, the United Kingdom, Germany, France, Spain, Russia, Japan and/or other countries. All other trademarks are the properties of their respective holders.

Icom Inc.

1-1-32, Kami-minami, Hirano-ku, Osaka 547-0003, Japan Phone: +81 (06) 6793 5302 Fax: +81 (06) 6793 0013

www.icom.co.jp/world

Count on us!

Icom America Inc.

12421 Willows Road NE,
Kirkland, WA 98034, U.S.A.
Phone : +1 (425) 454-8155
Fax : +1 (425) 454-1509
E-mail : sales@icomamerica.com
URL : <http://www.icomamerica.com>

Icom Canada

Glenwood Centre #150-6165 Highway 17A,
Delta, B.C., V4K 5B8, Canada
Phone : +1 (604) 952-4266
Fax : +1 (604) 952-0090
E-mail : info@icomcanada.com
URL : <http://www.icomcanada.com>

Icom Brazil

Rua Itororó, 444 Padre Eustáquio
Belo Horizonte MG,
CEP: 30130-150, Brazil
Phone : +55 (31) 3582 8847
Fax : +55 (31) 3582 8897
E-mail : sales@icombrazil.com

Icom (Europe) GmbH

Communication Equipment
Auf der Krautweide 24
65812 Bad Soden am Taunus, Germany
Phone : +49 (6196) 76685-0
Fax : +49 (6196) 76685-50
E-mail : info@icom-europe.com
URL : <http://www.icomeurope.com>

Icom Spain S.L.

Ctra. Rubí, No. 88 "Edificio Can Castanyer"
Bajos A 08174, Sant Cugat del Valles,
Barcelona, Spain
Phone : +34 (93) 590 26 70
Fax : +34 (93) 589 04 46
E-mail : icom@icomspain.com
URL : <http://www.icomspain.com>

Icom Polska Sp. Z o.o.

80-266 Gdańsk, Jaskowa Dolina St. 75, Poland
Phone : +48 (58) 551 0484
Fax : +48 (58) 551 4720
E-mail : icompolska@icompolska.com.pl
URL : <http://www.icompolska.com.pl>

Icom (UK) Ltd.

Blackshele House, Altrincham Park,
Herne Bay, Kent, CT6 6GZ, U.K.
Phone : +44 (0) 1227 741741
Fax : +44 (0) 1227 741742
E-mail : info@icomuk.co.uk
URL : <http://www.icomuk.co.uk>

Icom France s.a.s.

Zac de la Plaine,
1 Rue Brindejnc des Moulinais, BP 45804,
31505 Toulouse Cedex 5, France
Phone : +33 (5) 61 36 03 03
Fax : +33 (5) 61 36 03 00
E-mail : icom@icom-france.com
URL : <http://www.icom-france.com>

Icom (Australia) Pty. Ltd.

Unit 1 / 103 Garden Road,
Clayton, VIC 3168 Australia
Phone : +61 (03) 9549 7500
Fax : +61 (03) 9549 7505
E-mail : sales@icom.net.au
URL : <http://www.icom.net.au>

Icom New Zealand

146A Harris Road, East Tamaki,
Auckland, New Zealand
Phone : +64 (09) 274 4062
Fax : +64 (09) 274 4708
E-mail : inquiries@icom.co.nz
URL : <http://www.icom.co.nz>

Asia Icom Inc.

6F No. 68, Sec. 1 Cheng-Teh Road,
Taipei, Taiwan, R.O.C.
Phone : +86 (02) 2559 1899
Fax : +86 (02) 2559 1874
E-mail : sales@asia-icom.com
URL : <http://www.asia-icom.com>

Shanghai Icom Ltd.

No.101, Building 9, Caifuxingyuan Park,
No.188 Maotong Road, Chedun Town,
Songjiang District, Shanghai, 201611, China
Phone : +86 (021) 6153 2768
Fax : +86 (021) 5765 9987
E-mail : bjicom@bjicom.com
URL : <http://www.bjicom.com>

OPTIONS

Some options may not be available in some countries. Please ask your dealer for details.



Battery packs	Type and capacity	Operating time* (Approx.)
BP-263	AA (LR6) batteries x 6	—
BP-264	Ni-MH, 7.2V 1400mAh	13 hours
BP-265	Li-Ion, 7.4V 1900mAh (min.) 2000mAh (typ.)	19 hours

* Tx: Rx: standby = 5:5:90. Power save function ON.

REGULAR CHARGER

For BP-264 (Ni-MH battery)

**RAPID CHARGER**

For BP-264 (Ni-MH battery)

**RAPID CHARGER**

For BP-265 (Li-Ion battery)

**MULTI-CHARGER**

For BP-264/BP-265

**CIGARETTE LIGHTER CABLE & POWER SUPPLY CABLES****HEADSETS and PLUG ADAPTER CABLE****SPEAKER-MICROPHONES****EARPHONE MICROPHONE****CHARGER BRACKET****CS-80 CLONING SOFTWARE + OPC-478/UC CLONING CABLE**

OPC-478UC is a USB cable type.
OPC-474 CLONING CABLE

Transceiver-to-transceiver cloning cable.

FA-B2E VHF ANTENNA

Same as supplied.

MB-124 BELT CLIP

Alligator type clip. Same as supplied.

CHARGER ADAPTERS

• AD-120 for BP-264 • AD-121 for BP-265
Either AD-120 or AD-121 charger adapters are supplied with the BC-197, depending on BC-197's version.

GENUINE

Hologram Label Attached

The "3D GENUINE Icom label" is attached to the rear chassis under the battery.
Check the Icom website for details: <http://www.icom.co.jp/world/genuine-info/>

Your local distributor/dealer: